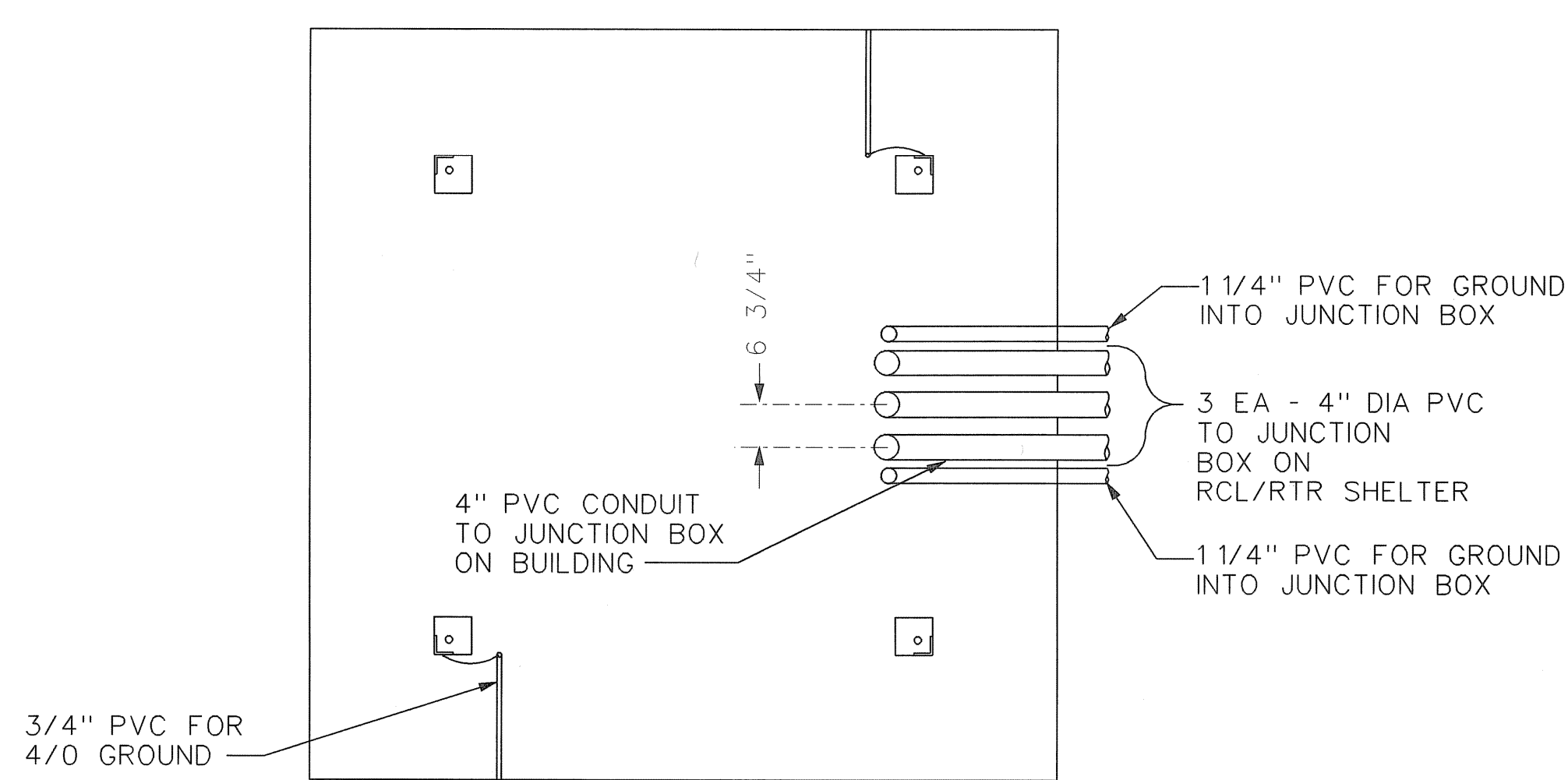
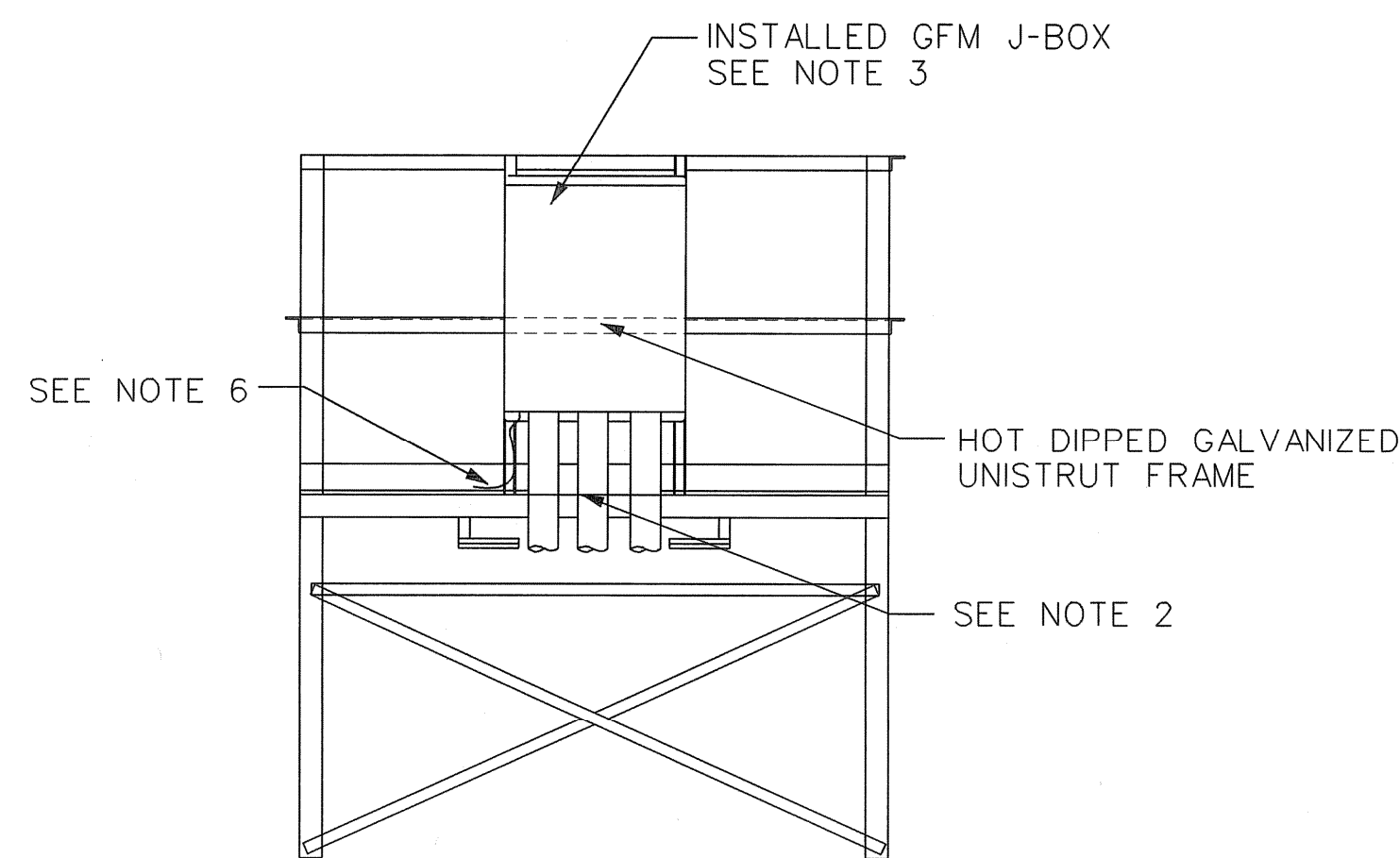


TLH-D-805386-E001.dgn
5/4/2010 2:25:04 PM notaniel.ctr straws



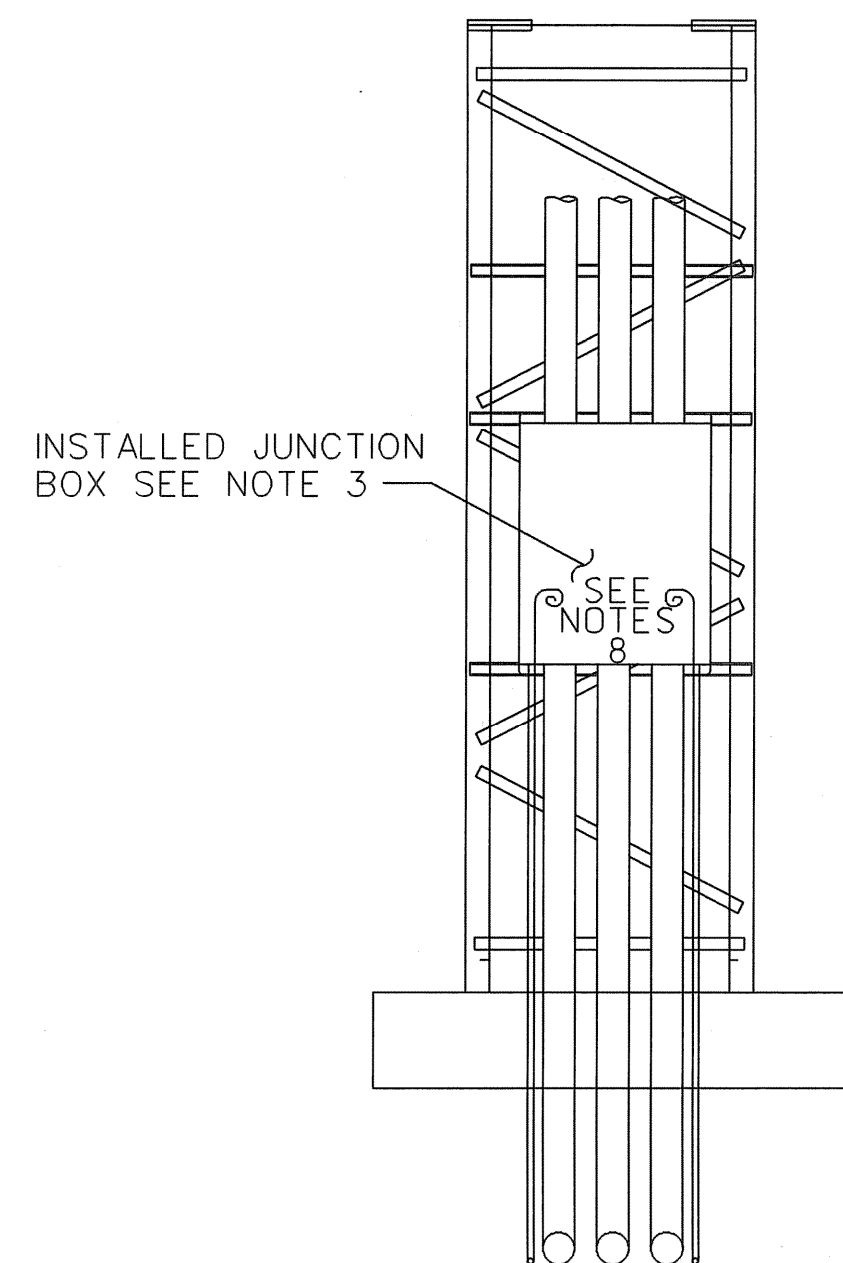
1 CONDUIT LAYOUT IN SLAB

E001 NOT TO SCALE



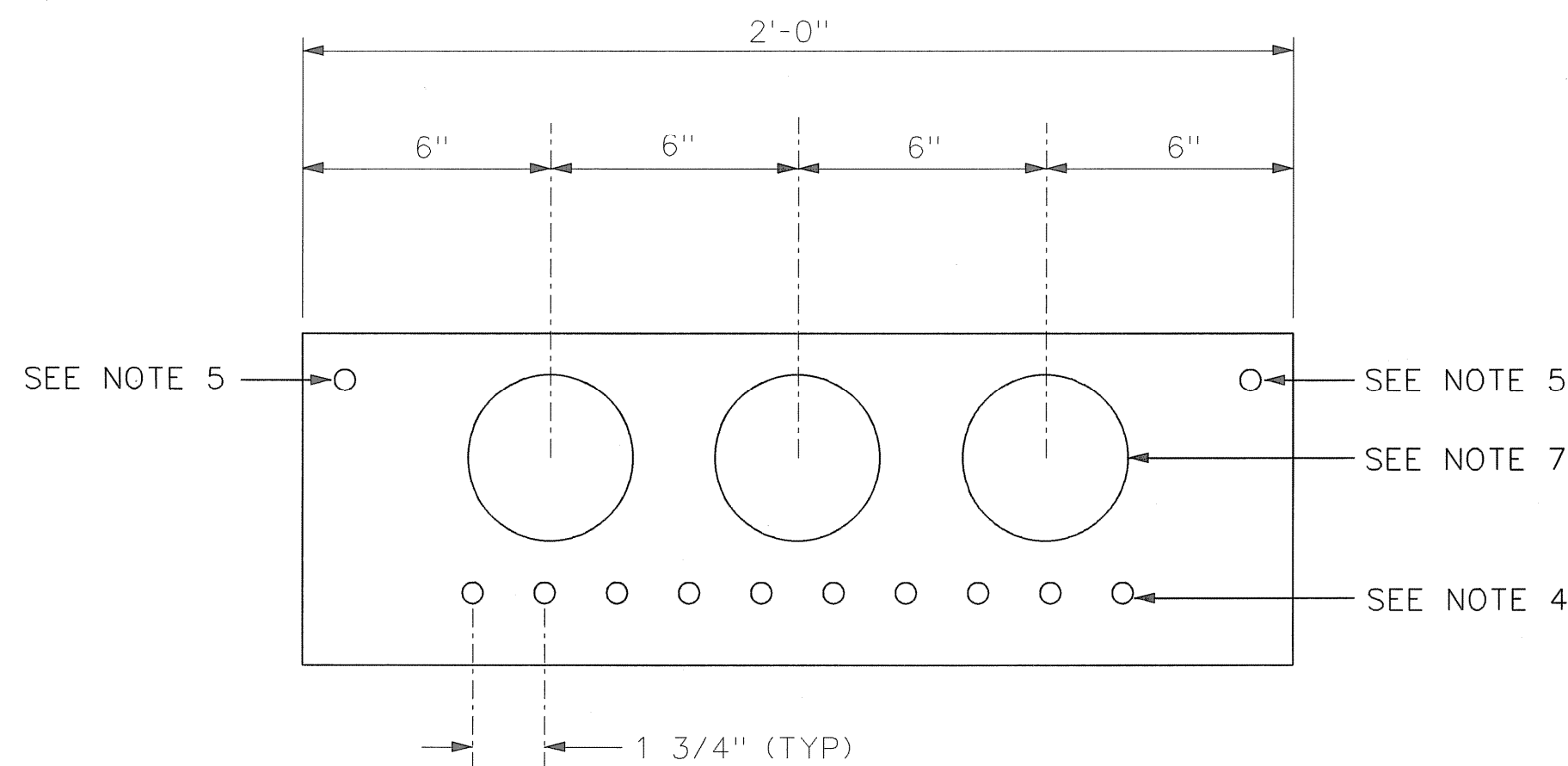
2 JUNCTION BOX ELEVATION

E001 NOT TO SCALE



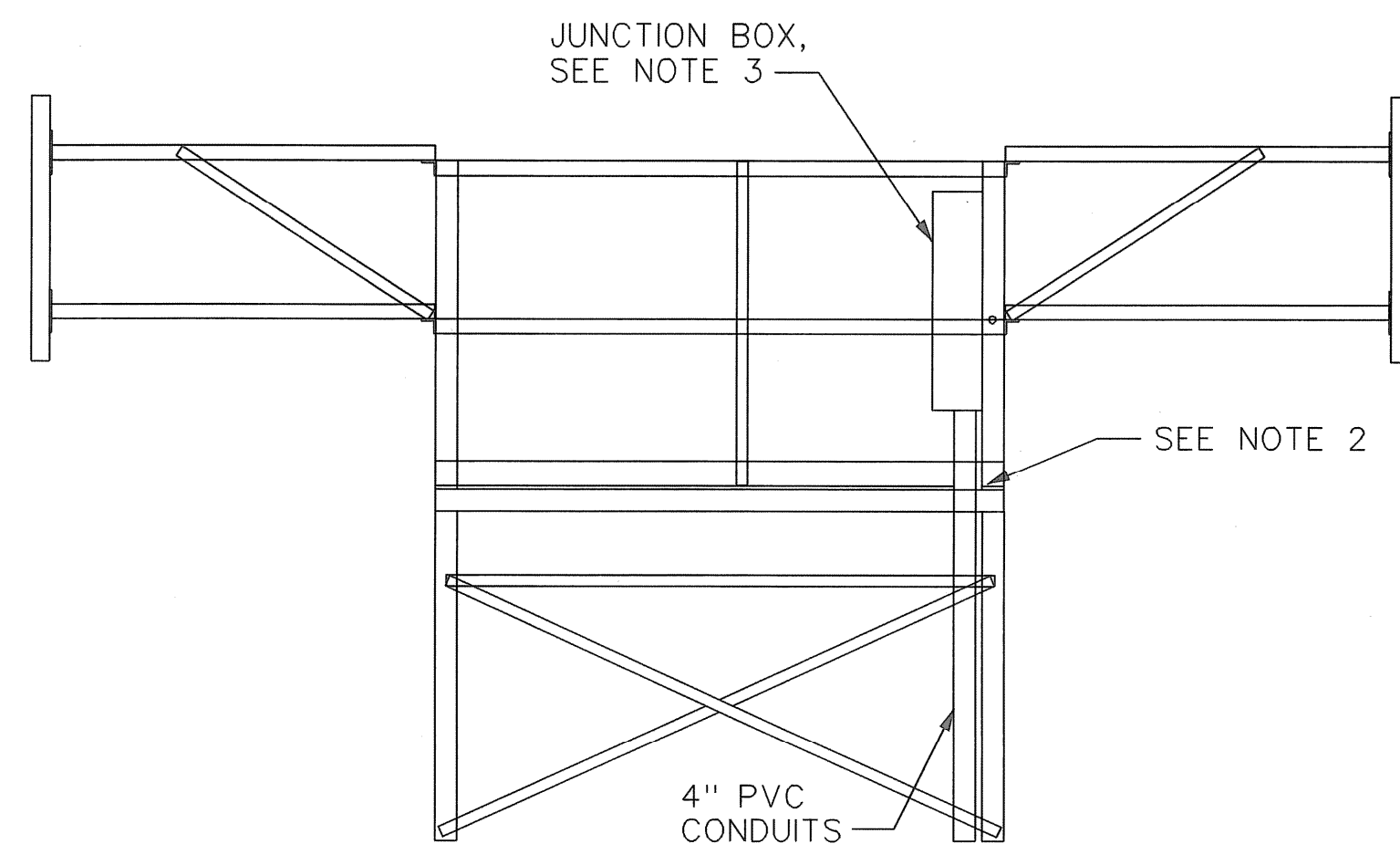
3 TOWER CONDUIT ELEVATION

E001 NOT TO SCALE



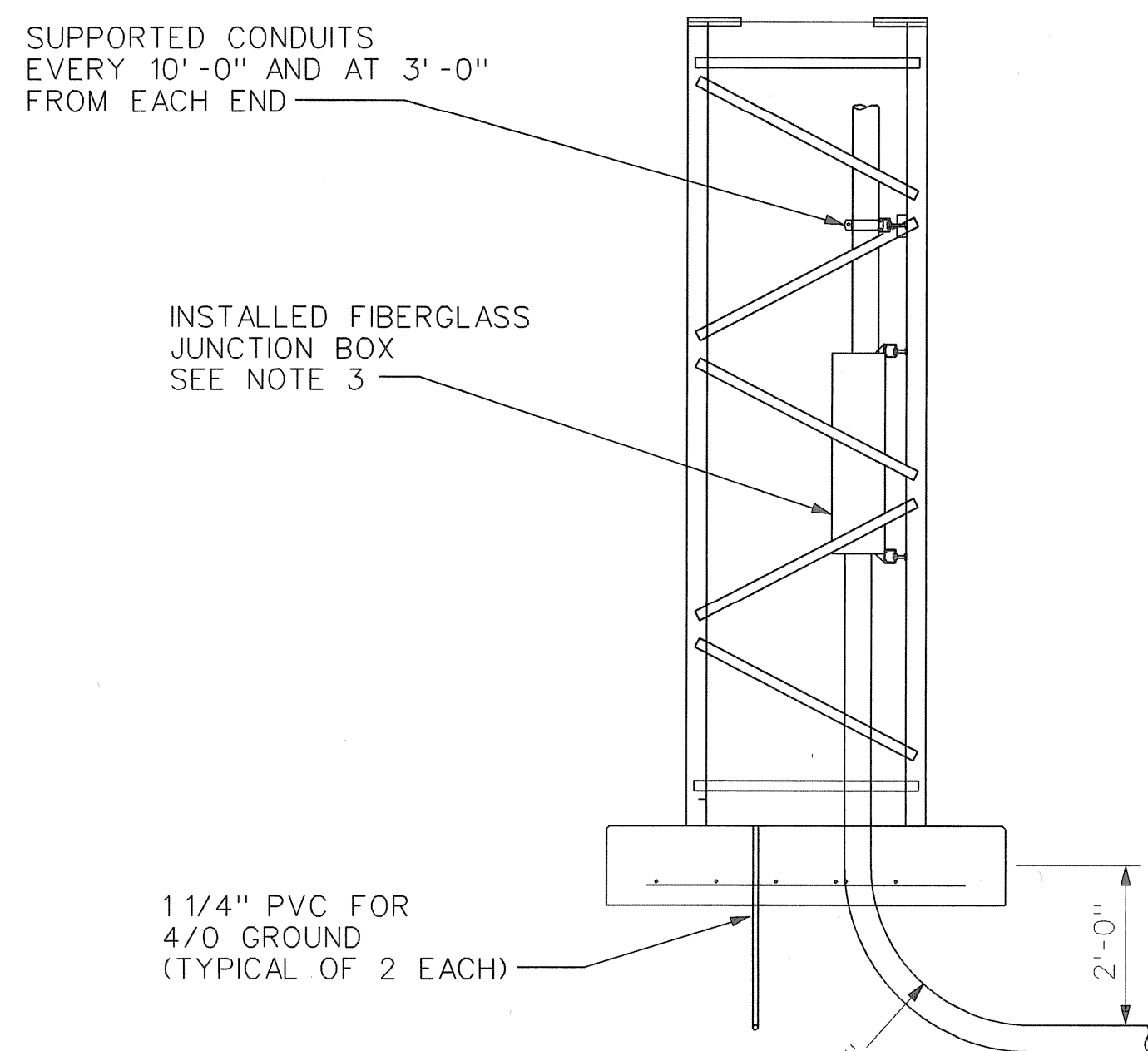
6 JUNCTION BOX HOLE LAYOUT

E001 SCALE: 3" = 1'-0"



4 JUNCTION BOX SECTION

E001 NOT TO SCALE

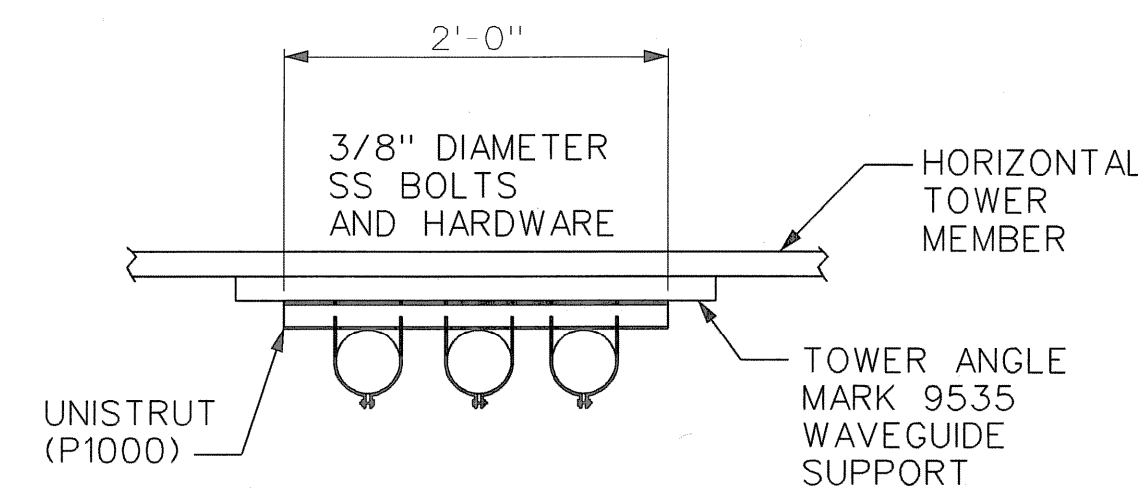


5 TOWER CONDUIT SECTION

E001 NOT TO SCALE

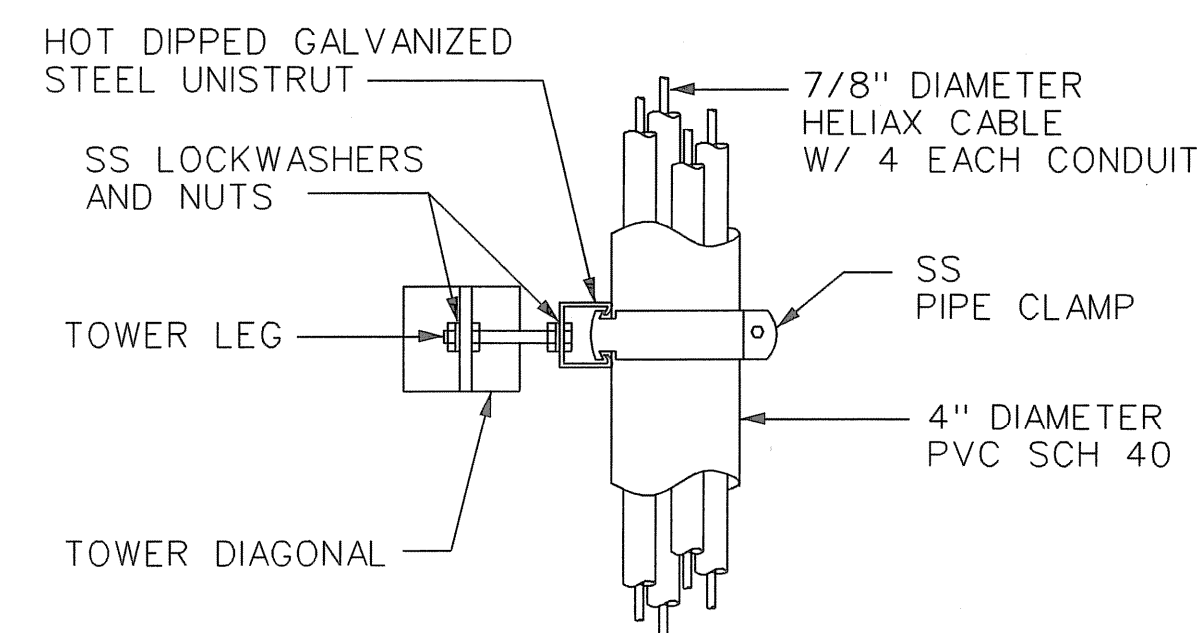
NOTES

1. THE 7/8" HELIAX CABLE MUST NOT BE BENT CLOSER THAN A 12" RADIUS.
2. CUT SECTION OF EXPANDED METAL GRATING AS REQUIRED TO ROUTE CONDUITS UP TO JUNCTION BOX. ALL CUT EDGES MUST BE COLD GALVANIZED. FRAME CUT OPENING WITH 2"x2"x1/4" ANGLE IRON, GALV.
3. CONTRACTOR SHALL INSTALL A 36"x30"x10" JUNCTION BOX (GFM) ON TOP OF EACH TOWER AND 30"x24"x10" JUNCTION BOX ON BOTTOM OF EACH TOWER (GFM) (FIBER-GLASS, NEMA 4X, ATTACH TO TOWER USING A STAINLESS STEEL UNISTRUT (P1000) FRAME AND STAINLESS STEEL BOLTS. VERIFIED BOX LOCATION WITH FAA RESIDENT ENGINEER.
4. CONTRACTOR SHALL INSTALL 12 EACH 1/2" DIA WATER TIGHT STRAIN RELIEF CONNECTORS (GFM) (T&B 2673) FOR CABLE INSTALLED BY OTHERS, IN THE BOTTOM OF THE JUNCTION BOX.
5. CONTRACTOR SHALL INSTALL 2 EACH 1/2" DIA STRAIN RELIEF CONNECTOR (GFM) FOR THE THOMPSON 32X FROM THE TOWER LOOP.
6. ALL CUT EDGES, CORNERS DRILLED HOLES AND OTHER ABRASIONED AREAS COLD GALVANIZED.
7. CONTRACTOR MUST FURNISH AND INSTALL 1 5/8"x1 5/8" STAINLESS STEEL UNISTRUT 24" IN LENGTH TO THE ANTENNA TOWER AT THE PREFABRICATED ANTENNA TOWER. HORIZONTAL ANGLES MARK 9535. THE 3 EACH 4" Ø CONDUITS ARE THEN FASTENED TO THE UNISTRUT WITH STAINLESS STEEL PIPE CLAMPS. ALL MOUNTING HARDWARE SHALL BE STAINLESS STEEL. INSTALL 12 EACH 7/8" HELIAX, ANDREW P/N LDF5, WITH 4 EACH IN EACH PVC CONDUIT.
8. CONTRACTOR SHALL INSTALL 2-#4/0 GROUND WIRE THROUGH 1 1/4" Ø PVC INTO EACH OF THE BOTTOM JUNCTION BOXES FOR GROUNDING BY OTHERS. THREE FEET OF WIRE COILED IN EACH BOX FOR USE BY OTHERS.



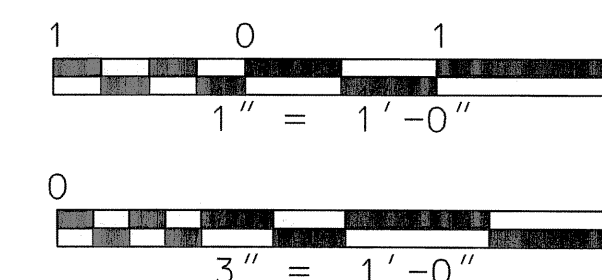
7 CONDUIT SUPPORT PLAN

E001 SCALE: 1" = 1'-0"



8 CONDUIT SUPPORT SECTION

E001 NOT TO SCALE



REV	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION ATO - TECHNICAL OPERATIONS EASTERN SERVICE AREA RCAG TOWER CABLES SECTIONS AND DETAILS					
TALLAHASSEE FL					
REVIEWED BY	SUBMITTED BY		APPROVED BY		
	<i>[Signature]</i>		<i>[Signature]</i>		
PROJECT ENGINEER	DESIGNED		MGR: ENGINEERING - ATLANTA		
	TWK		DATE 03/30/2010 JCN		
DRAWN	NKS		805386		
CHECKED	ENGINEERING SERVICES COMMUNICATIONS		DRAWING NO TLH-D-805386-E001		